



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 11851447  
SAU: Winthrop Public Schools  
School: Winthrop Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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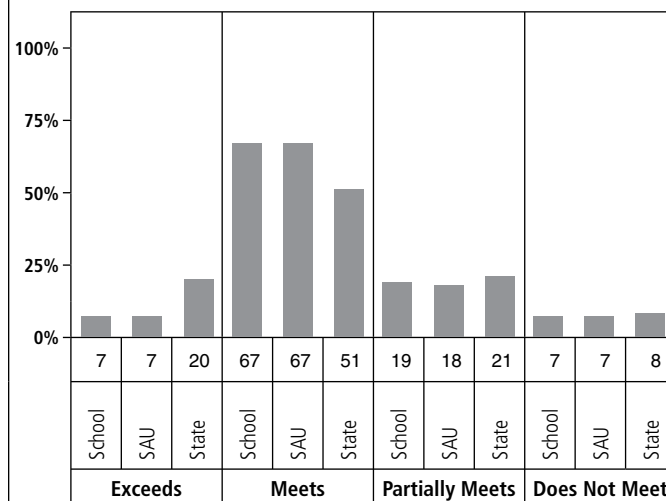
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: Winthrop Public Schools  
School: Winthrop Middle School

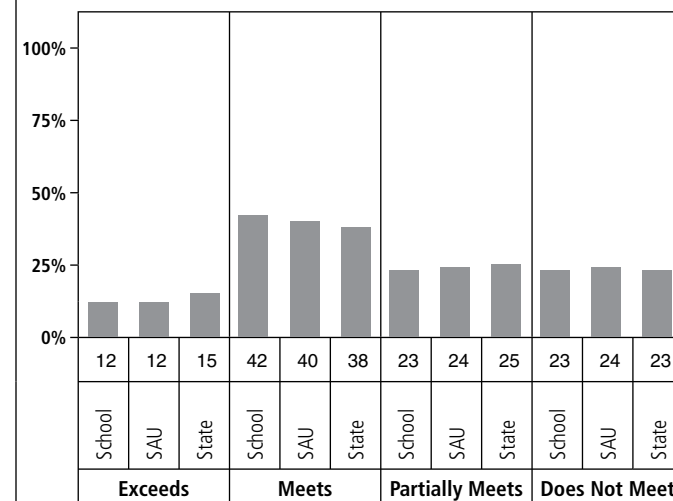
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	846	846	847
2007–2008	849	849	849
<b>2008–2009</b>	<b>849</b>	<b>849</b>	<b>850</b>
Cum. Avg.*	848	848	849
<b>Mathematics</b>			
2006–2007	843	843	842
2007–2008	845	845	841
<b>2008–2009</b>	<b>842</b>	<b>842</b>	<b>843</b>
Cum. Avg.*	843	843	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>849</b>	<b>849</b>	<b>846</b>

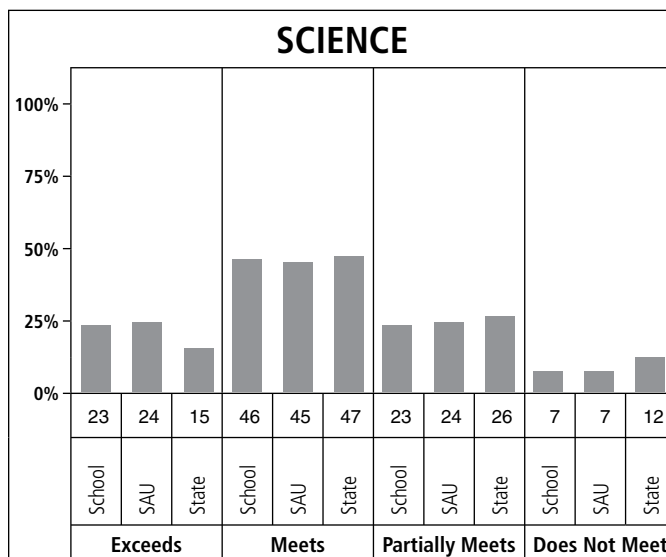
## ELA – READING



## MATHEMATICS



## SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
 Grade: 8  
 SAU: Winthrop Public Schools  
 School: Winthrop Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
							School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	73	100	71	100	14804	100	70	96	68	96	14659	99	70	96	68	96	14653	99	70	96	68	96	14626	99
<b>Ethnicity</b> African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	72	99	70	99	13878	94	69	96	67	96	13756	99	69	96	67	96	13742	99	69	96	67	96	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	12	16	12	17	2489	17	11	92	11	92	2434	99	11	92	11	92	2424	98	11	92	11	92	2418	98
<b>Current LEP</b>	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
<b>Economically disadvantaged</b>	26	36	25	35	5460	37	23	88	22	88	5380	99	23	88	22	88	5377	99	23	88	22	88	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	60	82	58	82	12132	82	60	82	58	82	12124	82	60	82	58	82	12169	82
Identified disability (PET/IEP)	1	2	1	2	379	3	1	2	1	2	380	3	1	2	1	2	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	3	5	3	5	200	2	3	5	3	5	200	2	3	5	3	5	202	2
<b>Participation with accommodations</b>	9	12	9	13	2349	16	9	12	9	13	2347	16	9	12	9	13	2288	15
Identified disability (PET/IEP)	9	100	9	100	1877	80	9	100	9	100	1862	79	9	100	9	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
<b>Participation through alternate assessment (PAAP)</b>	1	1	1	1	178	1	1	1	1	1	182	1	1	1	1	1	169	1
Identified disability (PET/IEP)	1	100	1	100	178	100	1	100	1	100	182	100	1	100	1	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	3	4	3	4	113	1	3	4	3	4	117	1	3	4	3	4	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Winthrop Public Schools  
School: Winthrop Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	7	10	7	10	2407	16
	2007-2008	10	18	9	17	3428	23
	<b>2008-2009</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>7</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	22	11	21	11	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	36	51	36	52	7494	49
	2007-2008	29	53	28	54	7179	48
	<b>2008-2009</b>	<b>46</b>	<b>67</b>	<b>45</b>	<b>67</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	111	57	109	58	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	20	29	19	28	3628	24
	2007-2008	13	24	13	25	2706	18
	<b>2008-2009</b>	<b>13</b>	<b>19</b>	<b>12</b>	<b>18</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	46	24	44	23	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	7	10	7	10	1810	12
	2007-2008	3	5	2	4	1611	11
	<b>2008-2009</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>7</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	15	8	14	7	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	35.2	62.9	35.2	62.9	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.8	59.0	11.9	59.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.4	65.0	23.4	65.0	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	69	5	7	46	67	13	19	5	7	849	67	7	67	18	7	849	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	68	5	7	45	66	13	19	5	7	849	66	8	67	18	8	849	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	10	0	0	4	40	3	30	3	30	836	10	0	40	30	30	836	2256	2	25	40	34	834
No	59	5	8	42	71	10	17	2	3	851	57	9	72	16	4	851	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	0										0						324	5	34	36	26	838
No	69	5	7	46	67	13	19	5	7	849	67	7	67	18	7	849	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	22	1	5	12	55	6	27	3	14	845	21	5	57	24	14	845	5277	10	46	29	15	844
No	47	4	9	34	72	7	15	2	4	851	46	9	72	15	4	851	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	69	5	7	46	67	13	19	5	7	849	67	7	67	18	7	849	14476	20	51	21	8	850
<b>Gender</b>																						
Female	29	3	10	21	72	4	14	1	3	851	28	11	71	14	4	851	7074	25	51	18	6	852
Male	40	2	5	25	63	9	23	4	10	847	39	5	64	21	10	847	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	69	5	7	46	67	13	19	5	7	849	67	7	67	18	7	849	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	15	3	20	12	80	0	0	0	0	861	14	21	79	0	0	861	700	69	30	1	0	867
No	54	2	4	34	63	13	24	5	9	845	53	4	64	23	9	846	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	6	0	0	2	50	2	50	0	0	846	6	0	50	50	0	846	8	8	39	29	24	841
B. less than one hour	32	1	5	15	68	5	23	1	5	848	33	5	68	23	5	848	51	17	53	22	8	849
C. one to two hours	54	4	11	24	65	6	16	3	8	850	53	11	66	14	9	851	36	24	52	18	5	852
D. more than two hours	7	0	0	4	80	0	0	1	20	846	8	0	80	0	20	846	5	29	45	18	9	852
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	34	3	13	17	74	0	0	3	13	854	33	14	73	0	14	854	31	35	50	11	4	856
B. good	40	2	7	17	63	7	26	1	4	848	39	8	65	23	4	849	47	16	55	21	7	849
C. fair	26	0	0	11	61	6	33	1	6	844	27	0	61	33	6	844	18	5	47	33	15	842
D. poor	0										0						3	2	39	37	22	839
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	38	4	15	17	65	2	8	3	12	853	38	16	68	4	12	854	32	27	54	14	5	853
B. They match some of what I have learned.	49	1	3	22	67	8	24	2	6	846	48	3	66	25	6	846	52	18	53	22	8	850
C. They match just a little of what I have learned.	7	0	0	4	80	1	20	0	0	850	8	0	80	20	0	850	12	11	45	29	15	844
D. There is no match.	6	0	0	2	50	2	50	0	0	843	6	0	50	50	0	843	4	6	34	33	26	838
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	12	0	0	4	50	3	38	1	13	843	12	0	50	38	13	843	15	13	42	28	17	844
B. about the same as my regular schoolwork	54	2	5	26	70	7	19	2	5	848	55	6	72	17	6	849	64	19	53	20	7	850
C. easier than my regular schoolwork	34	3	13	15	65	3	13	2	9	852	33	14	64	14	9	852	22	25	52	16	6	852
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	9	0	0	2	33	2	33	2	33	838	9	0	33	33	33	838	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	41	1	4	17	63	8	30	1	4	846	41	4	65	27	4	847	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	50	3	9	25	76	3	9	2	6	852	50	9	75	9	6	852	40	30	53	13	4	855
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	37	1	4	16	64	6	24	2	8	846	35	4	65	22	9	846	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	59	3	8	27	68	7	18	3	8	849	61	8	68	18	8	849	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	4	1	33	2	67	0	0	0	0	862	5	33	67	0	0	862	7	12	46	27	15	845
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	16	1	9	8	73	1	9	1	9	852	15	10	70	10	10	851	19	26	53	15	6	853
B. 20 minutes to an hour	43	3	10	19	66	5	17	2	7	850	45	10	66	17	7	850	40	25	52	17	6	852
C. less than 20 minutes	15	1	10	9	90	0	0	0	0	857	15	10	90	0	0	857	15	18	51	21	10	849
D. I rarely read at home.	25	0	0	8	47	7	41	2	12	840	25	0	50	38	13	841	26	7	50	30	13	844
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of reading will be useful to me as an adult."</b>																						
A. strongly agree	45	3	10	22	73	3	10	2	7	852	44	11	75	7	7	853	42	27	51	15	6	853
B. agree	44	2	7	18	62	7	24	2	7	848	45	7	62	24	7	848	50	15	53	23	9	848
C. disagree	8	0	0	2	40	3	60	0	0	842	8	0	40	60	0	842	7	8	46	32	14	843
D. strongly disagree	3	0	0	2	100	0	0	0	0	849	3	0	100	0	0	849	2	6	39	35	21	840
<b>Optional school/SAU question</b>																						
A.	33	0	0	0	0	1	100	0	0	840	33	0	0	100	0	840						
B.	0										0											
C.	67	0	0	1	50	1	50	0	0	845	67	0	50	50	0	845						
D.	0										0											

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Winthrop Public Schools  
School: Winthrop Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	12	17	12	17	1952	13
	2007-2008	8	15	6	12	1657	11
	<b>2008-2009</b>	<b>8</b>	<b>12</b>	<b>8</b>	<b>12</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	28	14	26	14	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	22	31	22	32	5870	38
	2007-2008	25	45	25	48	5956	40
	<b>2008-2009</b>	<b>29</b>	<b>42</b>	<b>27</b>	<b>40</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	76	39	74	39	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	20	29	19	28	3982	26
	2007-2008	12	22	12	23	3729	25
	<b>2008-2009</b>	<b>16</b>	<b>23</b>	<b>16</b>	<b>24</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	48	25	47	25	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	16	23	16	23	3534	23
	2007-2008	10	18	9	17	3579	24
	<b>2008-2009</b>	<b>16</b>	<b>23</b>	<b>16</b>	<b>24</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	42	22	41	22	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	28.4	50.7	28.4	50.7	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	3.8	47.5	3.8	47.5	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	8.8	55.0	8.7	54.4	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	4.9	40.8	4.9	40.8	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	10.9	54.5	10.9	54.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	69	8	12	29	42	16	23	16	23	842	67	12	40	24	24	842	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	68	7	10	29	43	16	24	16	24	842	66	11	41	24	24	842	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	10	0	0	2	20	2	20	6	60	822	10	0	20	20	60	822	2242	2	12	22	63	824
No	59	8	14	27	46	14	24	10	17	846	57	14	44	25	18	846	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	0										0						336	6	18	26	51	829
No	69	8	12	29	42	16	23	16	23	842	67	12	40	24	24	842	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	22	2	9	6	27	7	32	7	32	838	21	10	24	33	33	838	5270	6	30	28	36	835
No	47	6	13	23	49	9	19	9	19	845	46	13	48	20	20	845	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	69	8	12	29	42	16	23	16	23	842	67	12	40	24	24	842	14466	15	38	25	23	843
<b>Gender</b>																						
Female	29	2	7	14	48	9	31	4	14	845	28	7	46	32	14	845	7070	15	39	25	22	843
Male	40	6	15	15	38	7	18	12	30	841	39	15	36	18	31	841	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	69	8	12	29	42	16	23	16	23	842	67	12	40	24	24	842	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	15	5	33	10	67	0	0	0	0	860	14	36	64	0	0	861	700	68	27	3	1	866
No	54	3	6	19	35	16	30	16	30	838	53	6	34	30	30	837	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	6	0	0	2	50	1	25	1	25	842	6	0	50	25	25	842	8	8	24	24	44	833
B. less than one hour	32	2	9	8	36	5	23	7	32	840	33	9	36	23	32	840	51	12	38	26	23	842
C. one to two hours	54	6	16	16	43	9	24	6	16	846	53	17	40	26	17	846	36	19	40	23	19	845
D. more than two hours	7	0	0	3	60	1	20	1	20	841	8	0	60	20	20	841	5	19	36	22	23	844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	35	7	30	10	43	4	17	2	9	852	35	32	41	18	9	852	28	33	41	15	11	852
B. good	34	1	5	14	64	3	14	4	18	844	33	5	62	14	19	844	45	11	43	25	21	842
C. fair	18	0	0	4	33	4	33	4	33	836	19	0	33	33	33	836	21	3	27	35	35	834
D. poor	12	0	0	0	0	5	63	3	38	833	13	0	0	63	38	833	5	2	14	30	54	828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	35	5	22	10	43	3	13	5	22	847	33	24	38	14	24	848	28	23	41	21	15	848
B. They match some of what I have learned.	45	3	10	12	41	6	21	8	28	842	46	10	41	21	28	842	52	13	40	25	21	843
C. They match just a little of what I have learned.	14	0	0	5	56	4	44	0	0	844	14	0	56	44	0	844	16	8	28	30	34	836
D. There is no match.	6	0	0	0	0	2	50	2	50	821	6	0	0	50	50	821	4	5	15	22	58	826
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	28	0	0	7	39	7	39	4	22	839	29	0	39	39	22	839	32	6	34	29	32	837
B. about the same as my regular schoolwork	54	3	9	17	49	7	20	8	23	843	52	9	45	21	24	843	52	13	41	25	20	843
C. easier than my regular schoolwork	18	5	42	3	25	1	8	3	25	849	19	42	25	8	25	849	16	39	35	13	13	853
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	45	3	10	16	55	5	17	5	17	845	44	11	52	19	19	845	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	45	5	17	10	34	7	24	7	24	844	47	17	34	24	24	844	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	9	0	0	1	17	3	50	2	33	833	10	0	17	50	33	833	7	12	27	27	35	837
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	14	4	44	2	22	1	11	2	22	850	14	44	22	11	22	850	34	18	40	22	20	845
B. two or three days a week	25	2	13	9	56	3	19	2	13	850	25	13	56	19	13	850	35	14	38	26	21	843
C. two or three times each month	52	1	3	13	38	10	29	10	29	837	51	3	34	31	31	837	18	12	37	27	24	841
D. never or almost never	9	1	17	3	50	1	17	1	17	848	10	17	50	17	17	848	13	9	32	25	34	837
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	32	2	10	12	57	2	10	5	24	845	32	10	55	10	25	845	9	13	38	23	26	841
B. two or three days a week	37	2	8	10	42	7	29	5	21	841	37	9	39	30	22	841	17	11	37	26	26	841
C. two or three times each month	20	1	8	4	31	5	38	3	23	840	21	8	31	38	23	840	28	15	40	25	20	844
D. never or almost never	11	3	43	1	14	1	14	2	29	847	11	43	14	14	29	847	46	16	36	24	23	843
<b>How do you feel about the following statement?</b>																						
<b>"My knowledge of mathematics will be useful to me as an adult."</b>																						
A. strongly agree	48	4	13	16	52	5	16	6	19	846	46	14	48	17	21	847	52	19	41	22	18	846
B. agree	38	4	16	8	32	7	28	6	24	842	40	16	32	28	24	842	39	11	35	27	27	840
C. disagree	9	0	0	3	50	1	17	2	33	838	10	0	50	17	33	838	6	7	28	26	39	835
D. strongly disagree	5	0	0	0	0	2	67	1	33	825	5	0	0	67	33	825	3	4	25	28	43	832
<b>Optional school/SAU question</b>																						
A.	33	0	0	0	0	1	100	0	0	830	33	0	0	100	0	830						
B.	0										0											
C.	67	0	0	1	50	0	0	1	50	836	67	0	50	0	50	836						
D.	0										0											

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: Winthrop Public Schools  
School: Winthrop Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	16	23	16	24	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	32	46	30	45	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	16	23	16	24	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	5	7	5	7	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	33.9	60.5	33.8	60.4	32.0	57.1
<b>D. The Physical Setting</b>	31	55	18.4	59.4	18.3	59.0	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	9.7	57.1	9.7	57.1	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	8.6	61.4	8.6	61.4	7.7	55.0
<b>E. The Living Environment</b>	25	45	15.5	62.0	15.4	61.6	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	69	16	23	32	46	16	23	5	7	849	67	24	45	24	7	849	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	68	16	24	31	46	16	24	5	7	849	66	24	44	24	8	849	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	10	0	0	3	30	4	40	3	30	831	10	0	30	40	30	831	2221	3	22	36	38	832
No	59	16	27	29	49	12	20	2	3	852	57	28	47	21	4	852	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	0										0						331	4	20	39	37	832
No	69	16	23	32	46	16	23	5	7	849	67	24	45	24	7	849	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	22	2	9	11	50	7	32	2	9	845	21	10	48	33	10	844	5184	6	40	33	21	840
No	47	14	30	21	45	9	19	3	6	851	46	30	43	20	7	851	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	69	16	23	32	46	16	23	5	7	849	67	24	45	24	7	849	14258	15	47	26	12	846
<b>Gender</b>																						
Female	29	8	28	15	52	6	21	0	0	852	28	29	50	21	0	852	6953	14	47	28	11	846
Male	40	8	20	17	43	10	25	5	13	847	39	21	41	26	13	847	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	69	16	23	32	46	16	23	5	7	849	67	24	45	24	7	849	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	15	8	53	7	47	0	0	0	0	862	14	57	43	0	0	862	699	65	34	2	0	865
No	54	8	15	25	46	16	30	5	9	845	53	15	45	30	9	845	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 8

SAU: Winthrop Public Schools

School: Winthrop Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	6	2	50	0	0	2	50	0	0	853	6	50	0	50	0	853	8	8	34	28	30	837
B. less than one hour	32	3	14	12	55	5	23	2	9	846	33	14	55	23	9	846	51	14	48	27	11	846
C. one to two hours	54	11	30	17	46	7	19	2	5	851	53	31	43	20	6	851	36	19	48	24	9	848
D. more than two hours	7	0	0	3	60	2	40	0	0	844	8	0	60	40	0	844	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	27	8	44	6	33	3	17	1	6	855	27	47	29	18	6	855	23	27	47	17	8	851
B. good	48	6	19	17	53	8	25	1	3	850	50	19	53	25	3	850	53	15	50	26	10	847
C. fair	20	1	8	7	54	3	23	2	15	842	19	8	50	25	17	841	20	4	43	35	18	840
D. poor	5	0	0	1	33	2	67	0	0	838	5	0	33	67	0	838	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	64	12	29	21	50	9	21	0	0	853	64	29	49	22	0	853	26	20	49	23	9	849
B. They match some of what I have learned.	29	3	16	9	47	5	26	2	11	845	28	17	44	28	11	845	51	14	48	26	11	846
C. They match just a little of what I have learned.	6	0	0	1	25	2	50	1	25	834	6	0	25	50	25	834	18	13	44	28	15	844
D. There is no match.	2	0	0	0	0	0	0	1	100	812	2	0	0	0	100	812	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	23	3	20	5	33	6	40	1	7	845	24	20	33	40	7	845	32	13	45	28	14	844
B. about the same as my regular schoolwork	66	11	26	23	53	7	16	2	5	851	65	27	51	17	5	851	56	15	49	25	11	847
C. easier than my regular schoolwork	11	1	14	3	43	2	29	1	14	846	11	14	43	29	14	846	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	38	6	24	10	40	9	36	0	0	851	38	25	38	38	0	851	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	58	8	21	20	53	6	16	4	11	848	59	22	51	16	11	848	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	3	1	50	1	50	0	0	0	0	854	3	50	50	0	0	854	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	26	1	6	9	53	7	41	0	0	844	27	6	53	41	0	844	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	22	3	21	6	43	3	21	2	14	849	21	23	38	23	15	848	23	17	49	22	12	847
C. the course(s) described in B, plus physics	40	10	38	11	42	3	12	2	8	853	40	40	40	12	8	853	21	31	44	17	7	852
D. a life science and physical science class	12	1	13	4	50	3	38	0	0	848	13	13	50	38	0	848	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	24	5	31	6	38	3	19	2	13	851	23	33	33	20	13	850	27	23	47	20	10	849
B. agree	30	5	25	7	35	6	30	2	10	849	31	25	35	30	10	849	37	14	47	27	12	846
C. disagree	32	2	10	14	67	5	24	0	0	848	33	10	67	24	0	848	25	11	48	29	12	845
D. strongly disagree	14	3	33	4	44	2	22	0	0	850	13	38	38	25	0	850	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	35	10	43	7	30	5	22	1	4	853	34	45	27	23	5	854	31	22	46	22	10	849
B. agree	53	4	11	21	60	7	20	3	9	847	53	12	59	21	9	847	50	14	49	26	11	846
C. disagree	9	1	17	3	50	2	33	0	0	848	9	17	50	33	0	848	14	9	45	31	15	843
D. strongly disagree	3	0	0	0	0	2	100	0	0	834	3	0	0	100	0	834	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	33	0	0	0	0	1	100	0	0	838	33	0	0	100	0	838						
B.	0										0											
C.	67	0	0	1	50	1	50	0	0	840	67	0	50	50	0	840						
D.	0										0											

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number